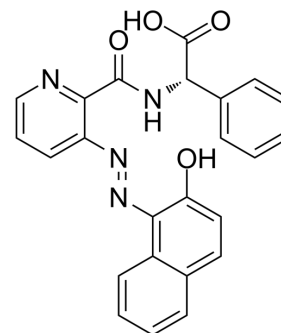


Neutrophil elastase inhibitor 5

Cat. No.:	HY-155414
CAS No.:	3020696-44-7
Molecular Formula:	C ₂₄ H ₁₈ N ₄ O ₄
Molecular Weight:	426.42
Target:	Elastase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Neutrophil elastase inhibitor 5 (compound 29) is a dual inhibitor of HNE (human neutrophil elastase) and proteinase 3 (PR3) with IC ₅₀ values of 4.91 μM and 20.69 μM, respectively. Neutrophil elastase inhibitor 5 can be used in the study of neutrophil inflammatory diseases ^[1] .
IC ₅₀ & Target	IC ₅₀ : 4.91 μM (HNE); 20.69 μM (PR3) ^[1] .

REFERENCES

[1]. Hwang TL, et al. Design and synthesis of sirtinol analogs as human neutrophil elastase inhibitors. *Bioorg Med Chem Lett*. 2023 Nov 7;97:129544

Caution: Product has not been fully validated for medical applications. For research use only.

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